



A service of the National Library of Medicine
and the National Institutes of Health

My NCBI
[Sign In] [Register]

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books
Search PubMed for Preview Go Clear

Limits Preview/Index **History** Clipboard Details

About Entrez

Text Version

- Search History will be lost after eight hours of inactivity.
- To combine searches use # before search number, e.g., #2 AND #6.
- Search numbers may not be continuous; all searches are represented.
- Click on query # to add to strategy

Entrez PubMed

Overview
Help | FAQ
Tutorials

New/Noteworthy
E-Utilities

PubMed Services
Journals Database
MeSH Database
Single Citation Matcher
Batch Citation Matcher
Clinical Queries
Special Queries
LinkOut
My NCBI

Related Resources
Order Documents
NLM Mobile
NLM Catalog
NLM Gateway
TOXNET
Consumer Health
Clinical Alerts
ClinicalTrials.gov
PubMed Central

Search

Most Recent Queries

[#21](#) Search **#20 and EpCam**
[#20](#) Search **cervical cancer**
[#18](#) Search **Khleif**
[#13](#) Search **11236957**
[#12](#) Search **9166931**
[#11](#) Search **PMID: 9166931**
[#9](#) Search **#8 and #7**
[#8](#) Search **Yokoyama M**
[#7](#) Search **Nakao Y**
[#5](#) Search **#4 and #3**
[#4](#) Search **Kashiwabara K**
[#3](#) Search **Sano T**
[#1](#) Search **Keating JT**

Time	Result
14:36:09	3
14:33:14	45443
13:41:11	17
11:48:58	1
11:48:43	1
11:48:36	0
11:40:15	15
11:40:04	1968
11:39:53	463
11:36:06	14
11:35:57	84
11:35:36	1298
11:34:46	5

Clear History

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

Aug 14 2006 08:07:58



MeSH

A service of the National Library of Medicine
and the National Institutes of Health

My NCBI
[Sign In] [Register]

All Databases

PubMed

Nucleotide

Protein

Genome

Structure

OMIM

PMC

Journals

Books

Search

for

Go

Clear

Limits

Preview/Index

History

Clipboard

Details

Display Show Send to

All: 1



About Entrez

Text Version

Entrez PubMed

Overview

Help | FAQ

Tutorials

New/Noteworthy

E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

Special Queries

LinkOut

My NCBI

Related Resources

Order Documents

NLM Mobile

NLM Catalog

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

- If making selections (e.g., Subheadings, etc.), use the Send to Search Box feature to see PubMed records with those specifications.
- Select PubMed under the Links menu to retrieve all records for the MeSH Term.
- Select NLM MeSH Browser under the Links menu for additional information.

☐ 1: Cyclin-Dependent Kinase Inhibitor p16

Links

A product of the p16 tumor suppressor gene (GENES, P16). It is also called INK4 or INK4A because it is the prototype member of the INK4 CYCLIN-DEPENDENT KINASE INHIBITORS. This protein is produced from the alpha mRNA transcript of the p16 gene. The other gene product, produced from the alternatively spliced beta transcript, is TUMOR SUPPRESSOR PROTEIN P14ARF. Both p16 gene products have tumor suppressor functions.

Year introduced: 2006(1994)

Subheadings: This list includes those paired at least once with this heading in MEDLINE and may not reflect current rules for allowable combinations.

☐ analysis ☐ antagonists and inhibitors ☐ biosynthesis ☐ blood ☐ chemistry
☐ deficiency ☐ diagnostic use ☐ drug effects ☐ genetics ☐ immunology ☐ isolation
 and purification ☐ metabolism ☐ pharmacology ☐ physiology ☐ radiation effects
☐ secretion ☐ therapeutic use ☐ ultrastructure

☐ Restrict Search to Major Topic headings only

☐ Do Not Explode this term (i.e., do not include MeSH terms found below this term in the MeSH tree).

Entry Terms:

- Cyclin Dependent Kinase Inhibitor p16
- Cdk4-Associated Protein p16
- Cdk4 Associated Protein p16
- CDKN2 Protein
- CDKN2A Protein
- MTS1 Protein
- p16INK4 Protein
- p16INK4A Protein
- p16(INK4A)
- INK4A Protein
- Protein, INK4A

- Cyclin-Dependent Kinase Inhibitor-2A
- Cyclin Dependent Kinase Inhibitor 2A
- Multiple Tumor Suppressor-1
- Multiple Tumor Suppressor 1

Previous Indexing:

- [Carrier Proteins \(1994-1997\)](#)

See Also:

- [Genes, p16](#)
- [Tumor Suppressor Protein p14ARF](#)

[All MeSH Categories](#)

[Chemicals and Drugs Category](#)

[Amino Acids, Peptides, and Proteins](#)

[Proteins](#)

[Cell Cycle Proteins](#)

[Cyclin-Dependent Kinase Inhibitor Proteins](#)

Cyclin-Dependent Kinase Inhibitor p16

[All MeSH Categories](#)

[Chemicals and Drugs Category](#)

[Amino Acids, Peptides, and Proteins](#)

[Proteins](#)

[Neoplasm Proteins](#)

[Tumor Suppressor Proteins](#)

[Cyclin-Dependent Kinase Inhibitor Proteins](#)

**Cyclin-Dependent Kinase Inhibitor
p16**

Display Show Send to

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

Aug 14 2006 08:07:58



MeSH

A service of the National Library of Medicine
and the National Institutes of Health

My NCBI
[Sign In] [Register]

All Databases

PubMed

Nucleotide

Protein

Genome

Structure

OMIM

PMC

Journals

Books

Search for

Go

Clear

Limits

Preview/Index

History

Clipboard

Details

Display

Show Send to

All: 1



About Entrez

Text Version

Entrez PubMed

Overview

Help | FAQ

Tutorials

New/Noteworthy

E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

Special Queries

LinkOut

My NCBI

Related Resources

Order Documents

NLM Mobile

NLM Catalog

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

- If making selections (e.g., Subheadings, etc.), use the Send to Search Box feature to see PubMed records with those specifications.
- Select PubMed under the Links menu to retrieve all records for the MeSH Term.
- Select NLM MeSH Browser under the Links menu for additional information.

1: Genes, p16

Links

Tumor suppressor genes located on human chromosome 9 in the region 9p21. This gene is either deleted or mutated in a wide range of malignancies. (From Segen, Current Med Talk, 1995) Two alternatively spliced gene products are encoded by p16: CYCLIN-DEPENDENT KINASE INHIBITOR P16 and TUMOR SUPPRESSOR PROTEIN P14ARF.

Year introduced: 1998

Subheadings: This list includes those paired at least once with this heading in MEDLINE and may not reflect current rules for allowable combinations.

☐ drug effects ☐ genetics ☐ physiology ☐ radiation effects

☐ Restrict Search to Major Topic headings only

☐ Do Not Explode this term (i.e., do not include MeSH terms found below this term in the MeSH tree).

Entry Terms:

- CDKN2 Genes
- CDKN2 Gene
- Genes, CDKN2
- Genes, CDKN2A
- CDKN2A Gene
- CDKN2A Genes
- Genes, p16INK4
- p16INK4 Gene
- Genes, p16INK4A
- p16INK4A Gene
- p16INK4A Genes
- p16INK4 Genes
- Genes, MTS1
- MTS1 Gene
- MTS1 Genes

- p16 Genes
- p16 Gene

Previous Indexing:

- [Genes, Suppressor, Tumor \(1994-1997\)](#)

See Also:

- [Cyclin-Dependent Kinase Inhibitor p16](#)
- [Tumor Suppressor Protein p14ARF](#)

[All MeSH Categories](#)

[Biological Sciences Category](#)

[Genetic Structures](#)

[Genome](#)

[Genome Components](#)

[Genes](#)

[Genes, Neoplasm](#)

[Genes, Tumor Suppressor](#)

Genes, p16

[All MeSH Categories](#)

[Biological Sciences Category](#)

[Genetic Structures](#)

[Genome](#)

[Genome Components](#)

[Genes](#)

[Genes, Recessive](#)

[Genes, Tumor Suppressor](#)

Genes, p16

Display Show Send to

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

Aug 14 2006 08:07:58

**MeSH**A service of the National Library of Medicine
and the National Institutes of Health**My NCBI** [?] [\[Sign In\]](#) [\[Register\]](#)[All Databases](#)[PubMed](#)[Nucleotide](#)[Protein](#)[Genome](#)[Structure](#)[OMIM](#)[PMC](#)[Journals](#)[Books](#)Search **MeSH**

for

Go**Clear**[Limits](#)[Preview/Index](#)[History](#)[Clipboard](#)[Details](#)Display **Full**Show **20**

Send to

All: 1[About Entrez](#)[Text Version](#)[Entrez PubMed](#)[Overview](#)[Help | FAQ](#)[Tutorials](#)[New/Noteworthy](#) [E-Utilities](#)[PubMed Services](#)[Journals Database](#)[MeSH Database](#)[Single Citation Matcher](#)[Batch Citation Matcher](#)[Clinical Queries](#)[Special Queries](#)[LinkOut](#)[My NCBI](#)[Related Resources](#)[Order Documents](#)[NLM Mobile](#)[NLM Catalog](#)[NLM Gateway](#)[TOXNET](#)[Consumer Health](#)[Clinical Alerts](#)[ClinicalTrials.gov](#)[PubMed Central](#)

- If making selections (e.g., Subheadings, etc.), use the [Send to Search Box](#) feature to see PubMed records with those specifications.
- Select PubMed under the Links menu to retrieve all records for the MeSH Term.
- Select [NLM MeSH Browser](#) under the Links menu for additional information.

1: Cdkn2a protein, mouse [Substance Name][Links](#)

mouse protein corresponding to human p14ARF; RefSeq NM_009877

Date introduced: September 5, 2001

Registry Number: 0

Heading Mapped to:

- [Tumor Suppressor Protein p14ARF](#)

Entry Terms:

- p19(ARF) protein
- ARF tumor suppressor, mouse
- ARF-INK4a protein, mouse
- cyclin-dependent kinase inhibitor 2A protein, mouse
- p16INK4a protein, mouse
- p19(ARF) protein, mouse
- p19ARF protein, mouse

Previous Indexing:

- [PROTEINS \(1995-2001\)](#)

Display **Full**Show **20**

Send to

[Write to the Help Desk](#)[NCBI](#) | [NLM](#) | [NIH](#)

Department of Health & Human Services

[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

Aug 14 2006 08:07:58

Freeform Search

Database:
 US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Term: L16 and p16

Display: 10 Documents in **Display Format:** [] Starting with Number 1

Generate: ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search
Clear
Interrupt

Search History

DATE: Monday, August 28, 2006 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>			
L17	L16 and p16	121	L17
L16	L15 and marker	945	L16
L15	L14 and cervical cancer	1006	L15
L14	L13 or cell adhesion molecule	8691	L14
L13	L12 or l11	398	L13
L12	epithelial cell adhesion molecule	166	L12
L11	EpCam	317	L11
L10	L9 and @py<2004	80	L10
L9	L6 NOT 17	302	L9
L8	15 NOT 16	38	L8
L7	L6 and @py<2003	57	L7
L6	L5 and marker	359	L6
L5	L4 and l1	397	L5
L4	p16	7437	L4
L3	L2 and p16	6	L3
L2	L1 and EpCam	56	L2



L1	cervical cancer	7961	L1
----	-----------------	------	----

END OF SEARCH HISTORY